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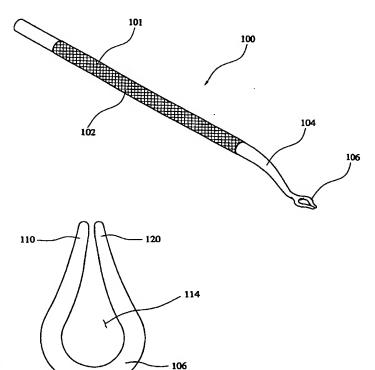
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(54) Title: PIMPLE REMOVAL UTENSIL



(57) Abstract: A pimple removal utensil (100) is provided in which pimples are easily squeezed open sanitarily with the pimples left untouched irrespective of size of the pimples. The pimple removal utensil (100) includes a holder (101) having an uneven surface (102) which is formed to be easily held by the hand, and an auxiliary grip protruded perpendicularly with the uneven surface (102), and a pressing portion (106) in which a first extension (110) and a second extension (120) are formed so that both extensions (110, 120) correspond to each other by opening one portion on the circumference of an insertion hole (114), and gradually narrowing the opened edges, and the bottom surface thereof is formed of a convex curved surface. A massage ball is further provided on the upper portion of the holder (101). The first and second extensions (110, 120) are made of a number of indents, which are gradually narrowed in correspondence to each other.

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### INTERNATIONAL SEARCH REPORT

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	INTERNATIONAL SEARCH REP	OR 1						
CLASSIFICATION OF SUBJECT MATTER								
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According to International Patent Classification (IPC) or to both national classification and IPC								
B. FIELDS SEARCHED  Minimum documentation searched (classification system followed by classification symbols)								
PC <sup>7</sup> : A61B 17/00, 17/50, A45D 44/00								
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched								
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)								
wpi; epodoc								
C. DOCUMENTS CONSIDERED TO BE RELEVANT								
Category	Citation of document, with indication, where appropriate	, of the relevant passages	Relevant to claim No.					
A	US 1842403 A (Hunsaker F.E. et al.) figures 1,2; page 1, lines 48-55; page 2	1,3						
А	GB 461363 A (Roscoe A.) 16 Februar figures 1-3; page 2, lines 48-57,67-84.	1,3						
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Information on patent family members

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Patent document cited In search report			Publication date	Patent family member(s)	Publication date
GB	A	461363	1937-02-16	none	
US	A	1842403	1932-01-26	none	